

M A T E R I A L S A F E T Y D A T A S H E E T

QUICK REFERENCE:

PUR - FLO 635



H - O - H Water Technology, Inc.
500 South Vermont Street
Palatine, Illinois 60067

EMERGENCY PHONE No's

847 - 358 - 7400 (H - O - H BUSINESS Hrs.)
800 - 424 - 9300 (CHEMTREC - 24 Hrs.)

H M I S:

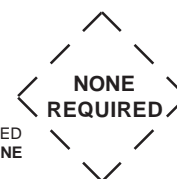
4 = EXTREME
3 = SEVERE
2 = MODERATE
1 = SLIGHT
0 = INSIGNIFICANT

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

DOT:

HAZARD LABELING

IN DOT LISTED
POLYETHYLENE
CONTAINERS



PRODUCT IDENTIFICATION	PRODUCT NAME	CHEMICAL FAMILY	DATE	Rev. No.	SUPERSEDES	EPA - T P Q	BY
	PUR - FLO 635	WASTEWATER FLOCCULANT	8 - 11 - 08	5	8 - 1 - 06	NA	

HAZARDOUS COMPONENTS	CHEMICAL NAME	COMMON NAME	C A S No.	PERCENT	OSHA PEL	ACGIH - TLV	OTHER
	Petroleum distillate hydrotreated light		064742 - 47 - 8	24	500 ppm	NA	

COMMENT	1. THIS PRODUCT CONTAINS A CATIONIC POLYACRYLAMIDE COPOLYMER EMULSION IN A HYDROCARBON OIL. EXERCISE CAUTION IN THE EVENT OF A SPILL. THIS PRODUCT IS VERY SLIPPERY AND MAY CREATE CONDITIONS WHERE SLIPS AND FALLS ARE LIKELY.
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PHYSICAL DATA	BOILING POINT (Degrees Fahrenheit)	347	SOLUBILITY (in water)	LIMITED BY VISCOSITY	EVAPORATION RATE (water = 1.0)	< 1
	VAPOR PRESSURE (in millimeters of Mercury)	NA	SPECIFIC GRAVITY (water = 1.0)	~ 1.0	pH	6 - 8
	VAPOR DENSITY (air = 1.0)	WATER	PERCENT (%) VOLATILE (by volume)	65 - 70		
	APPEARANCE and ODOR	VISCIOUS WHITE OPAQUE LIQUID WITH SLIGHT HYDROCARBON ODOR.				

FIRE AND EXPLOSION	FLASH POINT (Degrees Fahrenheit)	METHOD	FLAMMABLE LIMITS	LOWER EXPLOSIVE LIMIT	UPPER EXPLOSIVE LIMIT
	> 200	closed cup		NOT APPLICABLE	NOT APPLICABLE
	EXTINGUISHING MEDIA	SPECIAL FIRE FIGHTING PROCEDURES		UNUSUAL FIRE AND EXPLOSION HAZARDS	
	WATER, CO2, DRY CHEMICAL USE WATER, CARBON DIOXIDE, OR DRY CHEMICAL TO EXTINGUISH FIRES. USE WATER SPRAY TO COOL CONTAINERS TO PREVENT RUPTURE.	NONE		NONE	

REACTIVITY DATA	STABILITY	CONDITIONS TO AVOID	NONE KNOWN
	STABLE <input checked="" type="checkbox"/> UNSTABLE <input type="checkbox"/>		
	INCOMPATIBILITY (Materials to Avoid)	STRONG OXIDIZING AGENTS. THIS PRODUCT REACTS SLOWLY WITH COPPER, IRON, AND ALUMINUM RESULTING IN CORROSION AND PRODUCT DEGRADATION.	
	HAZARDOUS DECOMPOSITION PRODUCTS	NITROGEN OXIDES, CARBON OXIDES, AMMONIA.	
	HAZARDOUS POLYMERIZATION MAY WILL OCCUR <input type="checkbox"/> WON'T OCCUR <input checked="" type="checkbox"/>	CONDITIONS TO AVOID	NONE KNOWN

SPECIAL PRECAUTIONS	STORAGE AND HANDLING	OTHER
	1. PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE. 2. STORE IN A COOL, DARK, WELL-VENTILATED LOCATION AWAY FROM DIRECT SUNLIGHT AND OTHER SOURCES OF RADIANT HEAT. 3. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. NEVER MOVE AN OPEN OR LOOSELY CLOSED CHEMICAL CONTAINER. 4. WEAR HAND AND FOOT PROTECTION WHEN MOVING HEAVY CONTAINERS.	1. NOT TO BE TAKEN INTERNALLY. 2. NOT TO BE USED FOR OTHER THAN SPECIFIED PURPOSE. 3. KEEP AWAY FROM CHILDREN. 4. NEVER MIX THIS MATERIAL WITH ANY OTHER CHEMICAL UNLESS AT THE SPECIFIC DIRECTION OF H - O - H PERSONNEL. 5. TRIPLE RINSE EMPTY CONTAINERS BEFORE OFFERING FOR DISPOSAL OR SALVAGE. NEVER REUSE EMPTY CONTAINERS.

HEALTH HAZARD DATA	THRESHOLD LIMIT VALUE	NONE ESTABLISHED.	PUR - FLO 635
		ACUTE HEALTH HAZARDS	CHRONIC HEALTH HAZARDS
		IRRITANT	NONE KNOWN

EFFECTS OF EXPOSURE	SKIN AND EYES / TARGET ORGAN	INHALATION	INGESTION
	TISSUE IRRITATION MAY CAUSE EYE IRRITATION, ESPECIALLY AFTER PROLONGED OR REPEATED CONTACT. PROLONGED DERMAL CONTACT MAY PRODUCE ITCHING, DRY SKIN, OR POSSIBLE IRRITATION	NON - VOLATILE NOT EXPECTED TO BE HARMFUL IF INHALED.	IRRITANT MAY CAUSE IRRITATION OF THE DIGESTIVE TRACT.
CONDITIONS AGGRAVATED	DERMATITIS, BLISTERS, BURNS, OR ANY PRE-EXISTING SKIN IRRITATION IF CONTACT OCCURS.	IN NORMAL USE, NO EFFECT SHOULD BE NOTED.	IF INGESTION OCCURS, STOMACH ULCERS OR OTHER PRE - EXISTING DIGESTIVE CONDITIONS.

EMERGENCY PROCEDURES	SKIN AND EYES	INHALATION	INGESTION
	EYES FLUSH EYES WITH WATER FOR 15 MINUTES. GET PROMPT MEDICAL ATTENTION IF IRRITATION DEVELOPS. SKIN FLUSH WITH WATER AND WASH WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND WASH WELL BEFORE REUSE. IF IRRITATION DEVELOPS, SEEK MEDICAL ADVICE.	NON - VOLATILE IF LIQUID OR CONCENTRATED SPRAY OR MIST IS INHALED, REMOVE SUBJECT TO FRESH AIR. HAVE THE SUBJECT COUGH AND ATTEMPT TO CLEAR ANY LIQUIDS FROM THE BREATHING TRACT. IF BREATHING BECOMES DIFFICULT, GET PROMPT MEDICAL ATTENTION. IF NOT BREATHING, APPLY MOUTH - TO - MOUTH ARTIFICIAL RESPIRATION.	DO NOT INDUCE VOMITING DO NOT INDUCE VOMITING DUE TO LOW ORAL TOXICITY. GET IMMEDIATE MEDICAL ATTENTION.

CARCINOGEN LISTING	NATIONAL TOXICOLOGY PROGRAM (NTP)	I A R C MONOGRAPHS	O S H A REGULATED
	NO	NO	NO

SPILL OR LEAK PROCEDURES	SPILLS AND RELEASES	WASTE DISPOSAL METHODS
	SPILLS WILL BE EXTREMELY SLIPPERY. DO NOT FLUSH WITH WATER. ABSORB SPILL WITH AN INERT MATERIAL AND COLLECT INTO SUITABLE CONTAINER FOR DISPOSAL. DO NOT ALLOW SPILLS TO ENTER WATERWAYS. WATER MAY BE USED TO COMPLETE CLEANING.	CONSULT FEDERAL, STATE, AND LOCAL REGULATIONS PERTAINING TO WASTE DISPOSAL.

CONTROL MEASURES	EYE PROTECTION	SAFETY GLASSES WITH SIDE SHIELDS OR A FACE MASK.		
	RESPIRATORY PROTECTION	NOT REQUIRED FOR ORDINARY USE. DURING EMERGENCY CONDITIONS OR IF A SERIOUS SPILL OCCURS, AN AIR PURIFYING RESPIRATOR DESIGNED TO ABSORB ORGANIC VAPORS SHOULD BE USED.		
	OTHER PROTECTIVE EQUIPMENT	EYE WASH AND QUICK DRENCH SHOWER.		
	LOCAL EXHAUST	YES	SPECIAL VENTILATION	NOT REQUIRED FOR NORMAL USE.
	MECHANICAL VENTILATION	NOT REQUIRED FOR NORMAL USE.	OTHER VENTILATION	NOT REQUIRED FOR NORMAL USE.
	PROTECTIVE GLOVES	NON - SLIP VINYL OR RUBBER GLOVES.	PROTECTIVE CLOTHING	WATER REPELLENT APRON OR COVERALLS

REFERENCES	1. <i>Threshold Limit Values For Chemical Substances And Physical Agents In The Work Environment</i> ; ACGIH, 1989. 2. OSHA Safety and Health Standards: 29CFR 1900 to 1910, July 1, 1988 3. <i>Fifth Annual Report on Carcinogens</i> ; U. S. Dept. of Health and Human Services, National Toxicology Program, 1989 (Summary). 4. M. Sittig, <i>Handbook of Toxic & Hazardous Chemicals</i> , (Noyes Publications, Park Ridge, N. J., 1981). 5. <i>Community Right - To - Know Manual</i> , (Thompson Publishing Group, Washington, D. C., 1990). 6. <i>Right - To - Know / Chemical Manual</i> (ILLINOIS MANUFACTURES ASSOCIATION; Rooks, Pitts, and Poust, 1990). 7. <i>Toxic and Hazardous Industrial Chemicals Safety Manual</i> (THE INTERNATIONAL TECHNICAL INFORMATION INSTITUTE, 1975). 8. M. J. Lefevre, S. A. Conibear, <i>First Aid Manual for Chemical Accidents</i> , 2nd ed. (Van Nostrand Reinhold, New York, 1989). 9. <i>Hazardous Materials Guide; Shipping, Materials Handling and Transportation</i> (J. J. KELLER & ASSOCIATES, Inc., Neenah, Wisconsin, Dec. 1990) 10. <i>Hazard Communication Guide; Federal & State Right to Know Standards</i> (J. J. KELLER & ASSOCIATES, Inc., Neenah, Wisconsin, Dec. 1990)
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REPORTABLE QUANTITY	IF MORE THAN THE INDICATED QUANTITY IS DISCHARGED TO DRAINAGE (Sewer / surface water), AIR, OR SOIL, IMMEDIATELY REPORT AS INDICATED.		
	CERCLA OR EPA (Extremely Hazardous) NATIONAL RESPONSE CENTER (800 - 424 - 8802)	STATE EMERGENCY RELEASE NOTIFICATION ILLINOIS (Only) 800 - 782 - 7860 (Consult for others)	LOCAL EMERGENCY RESPONSE AUTHORITY Record Telephone No. of Local Response Authority
WRITTEN REPORT MUST FOLLOW	NA	NA	NA